TOP10 "24960250

FIG. 1

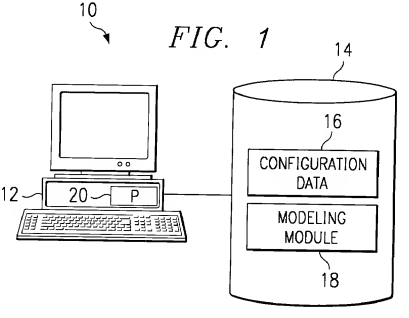


FIG. 2

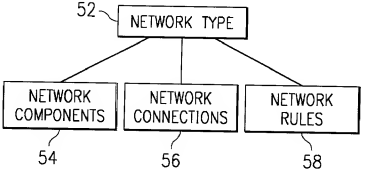
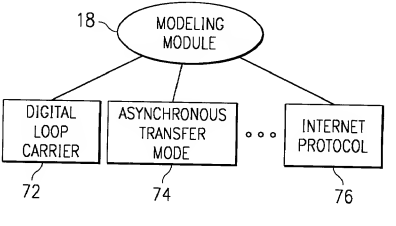


FIG. 3



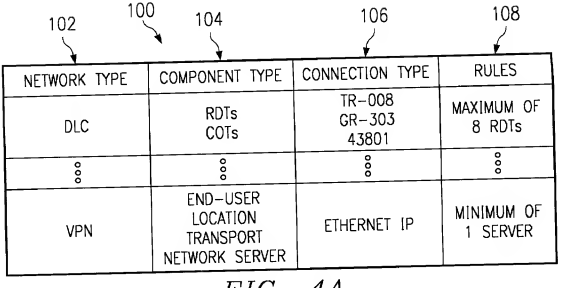


FIG. 4A

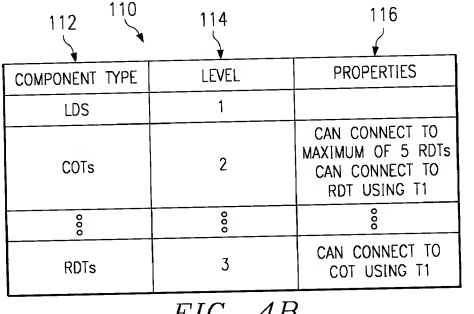


FIG. 4B

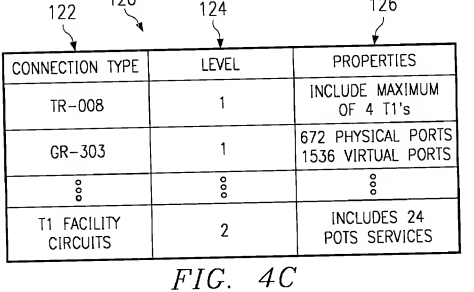


FIG. 4C

FIG. 5A

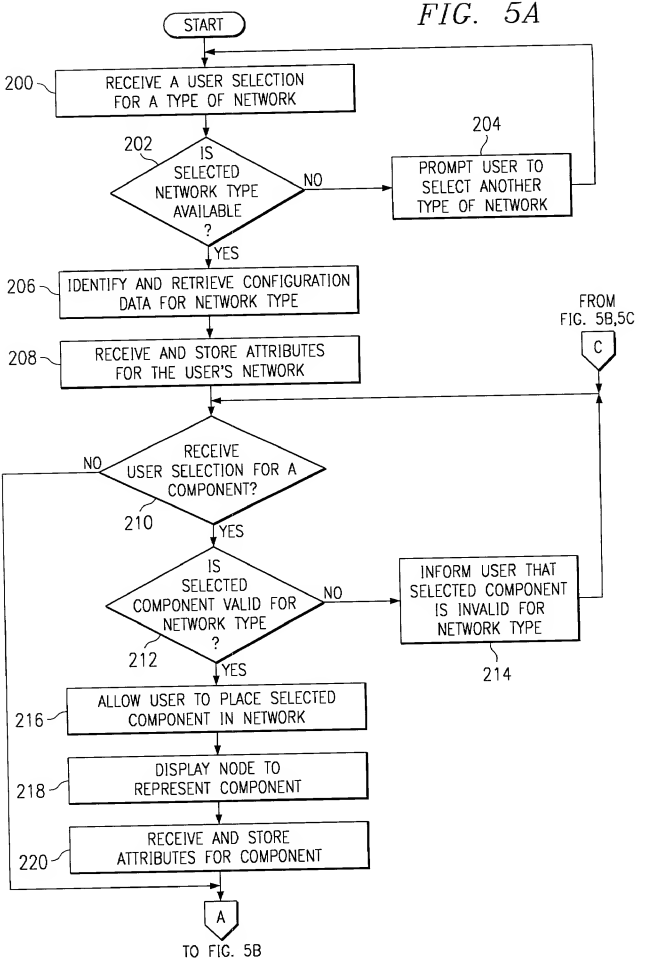
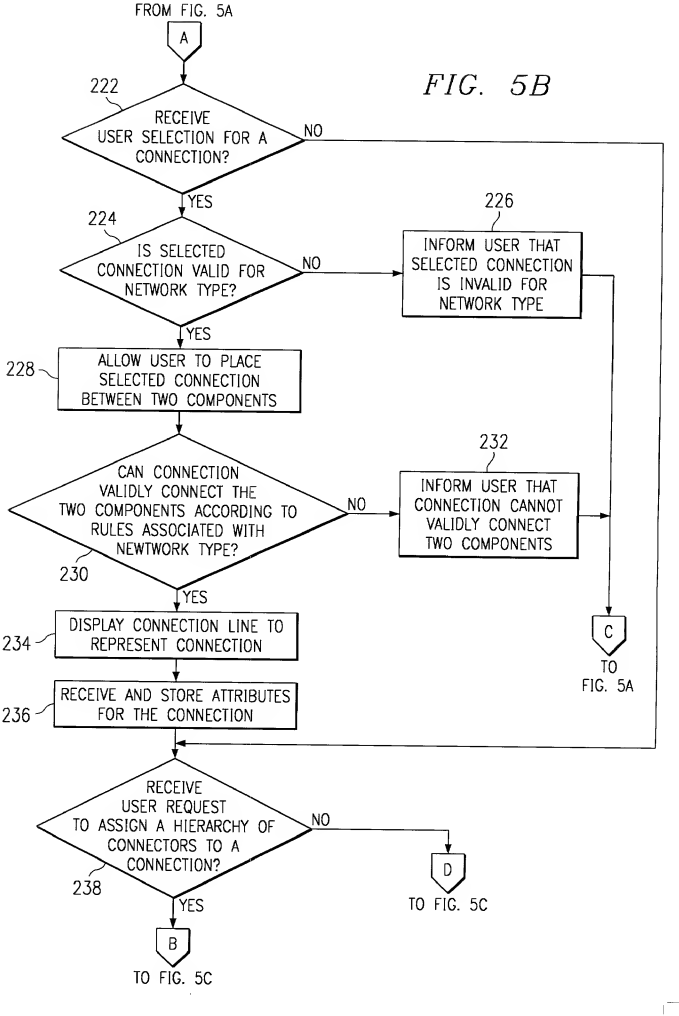

START
200
RECEIVE A USER SELECTION FOR A TYPE OF NETWORK
202
IS SELECTED NETWORK TYPE AVAILABLE ?
NO
204
PROMPT USER TO SELECT ANOTHER TYPE OF NETWORK
YES
206
IDENTIFY AND RETRIEVE CONFIGURATION DATA FOR NETWORK TYPE
208
RECEIVE AND STORE ATTRIBUTES FOR THE USER'S NETWORK
FROM FIG. 5B,5C
C
RECEIVE USER SELECTION FOR A COMPONENT?
NO
210
YES
IS SELECTED COMPONENT VALID FOR NETWORK TYPE ?
NO
INFORM USER THAT SELECTED COMPONENT IS INVALID FOR NETWORK TYPE
214
212
YES
216
ALLOW USER TO PLACE SELECTED COMPONENT IN NETWORK
218
DISPLAY NODE TO REPRESENT COMPONENT
220
RECEIVE AND STORE ATTRIBUTES FOR COMPONENT
A
TO FIG. 5B

FIG. 5B


FROM FIG. 5A
A
222
RECEIVE USER SELECTION FOR A CONNECTION?
NO
YES
224
IS SELECTED CONNECTION VALID FOR NETWORK TYPE?
NO
226
INFORM USER THAT SELECTED CONNECTION IS INVALID FOR NETWORK TYPE
YES
228
ALLOW USER TO PLACE SELECTED CONNECTION BETWEEN TWO COMPONENTS
CAN CONNECTION VALIDLY CONNECT THE TWO COMPONENTS ACCORDING TO RULES ASSOCIATED WITH NEWTWORK TYPE?
230
NO
232
INFORM USER THAT CONNECTION CANNOT VALIDLY CONNECT TWO COMPONENTS
YES
C
TO FIG. 5A
234
DISPLAY CONNECTION LINE TO REPRESENT CONNECTION
236
RECEIVE AND STORE ATTRIBUTES FOR THE CONNECTION
RECEIVE USER REQUEST TO ASSIGN A HIERARCHY OF CONNECTORS TO A CONNECTION?
238
NO
D
TO FIG. 5C
YES
B
TO FIG. 5C

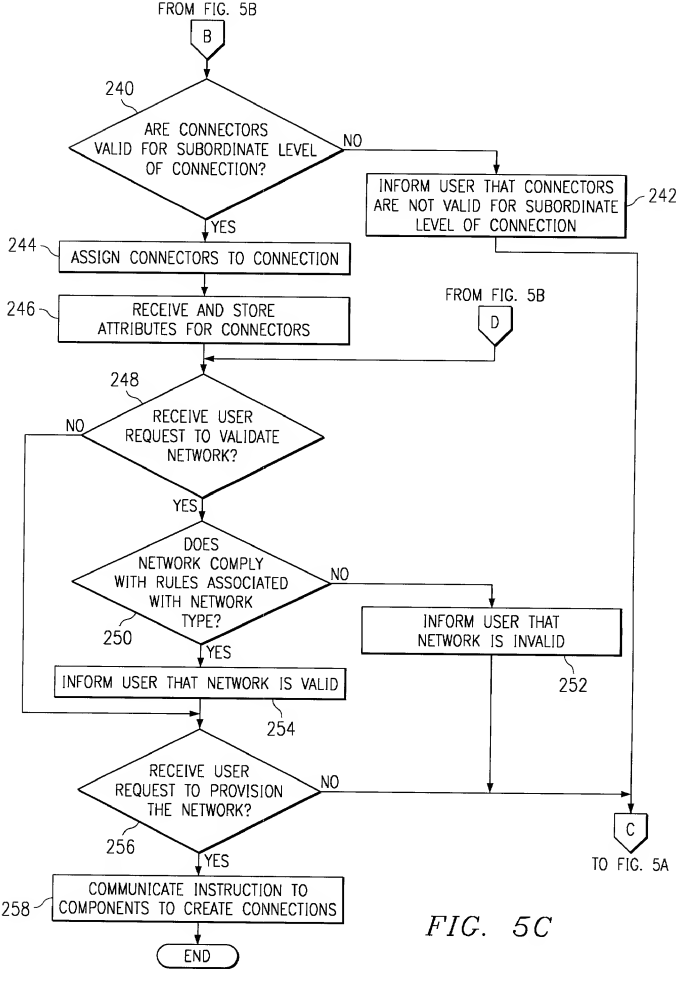


FIG. 5C

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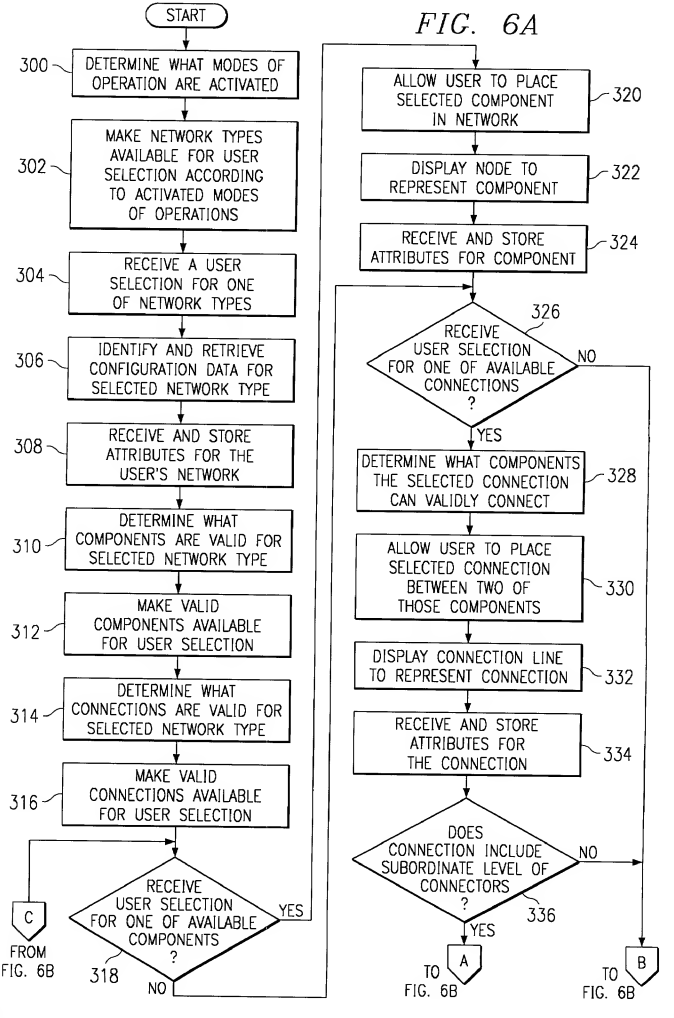
FIG. 6A



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TOP110-2349260

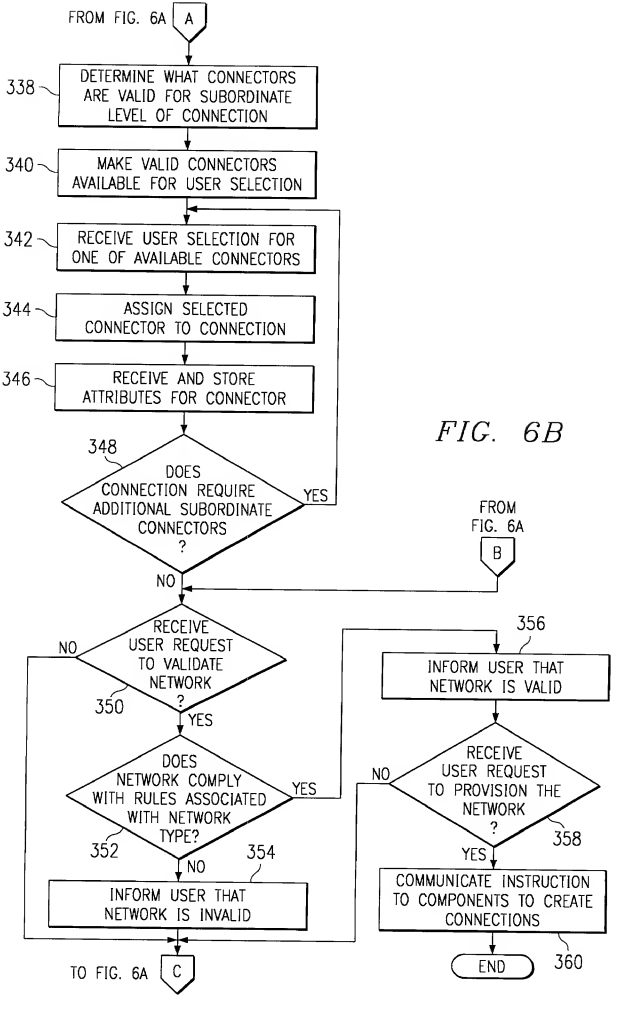

FIG. 6B